

Automate an E-Commerce Web Application

Pom.xml :

```
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com</groupId>
  <artifactId>AutomateE-CommerceProject</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>war</packaging>

  <name>AutomateE-CommerceProject Maven Webapp</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>1.7</maven.compiler.source>
    <maven.compiler.target>1.7</maven.compiler.target>
  </properties>

  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.11</version>
      <scope>test</scope>
    </dependency>
    <dependency>
      <groupId>org.seleniumhq.selenium</groupId>
      <artifactId>selenium-server</artifactId>
      <version>3.141.59</version>
    </dependency>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.12</version>
      <scope>test</scope>
    </dependency>
    <dependency>
      <groupId>io.github.bonigarcia</groupId>
      <artifactId>webdrivermanager</artifactId>
      <version>5.4.0</version>
    </dependency>

  </dependencies>

  <build>
    <finalName>AutomateE-CommerceProject</finalName>
    <pluginManagement><!-- lock down plugins versions to avoid using Maven
defaults (may be moved to parent pom) -->
      <plugins>
```

```

    <plugin>
      <artifactId>maven-clean-plugin</artifactId>
      <version>3.1.0</version>
    </plugin>
    <!-- see http://maven.apache.org/ref/current/maven-core/default-
bindings.html#Plugin_bindings_for_war_packaging -->
    <plugin>
      <artifactId>maven-resources-plugin</artifactId>
      <version>3.0.2</version>
    </plugin>
    <plugin>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.8.0</version>
    </plugin>
    <plugin>
      <artifactId>maven-surefire-plugin</artifactId>
      <version>2.22.1</version>
    </plugin>
    <plugin>
      <artifactId>maven-war-plugin</artifactId>
      <version>3.2.2</version>
    </plugin>
    <plugin>
      <artifactId>maven-install-plugin</artifactId>
      <version>2.5.2</version>
    </plugin>
    <plugin>
      <artifactId>maven-deploy-plugin</artifactId>
      <version>2.8.2</version>
    </plugin>
  </plugins>
</pluginManagement>
</build>
</project>

```

Testing.xml :

```

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">
<suite name="Suite">
  <test thread-count="5" name="Test">
    <classes>
      <class name="com.example.NewTest"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->

```

NewTest.java:

```
package com.example;

import static org.junit.Assert.assertNotNull;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

public class NewTest {
    WebDriver wd=null;
    @BeforeTest
    public void init() {
        WebDriverManager.chromedriver().setup();
        wd=new ChromeDriver();
        wd.manage().window().maximize();
        wd.get("https://www.flipkart.com/");
    }
    @Test(priority = 1)

    public void searchthePagewiththelement() throws InterruptedException {
        JavascriptExecutor js=(JavascriptExecutor)wd;

        wd.manage().timeouts().pageLoadTimeout(5000,TimeUnit.MILLISECONDS);

wd.findElement(By.xpath("/html/body/div[2]/div/div/button")).click();
        Thread.sleep(2000);
        wd.findElement(By.name("q")).sendKeys("iPhone 13");
        wd.manage().timeouts().implicitlyWait(1000, TimeUnit.MILLISECONDS);
        wd.findElement(By.name("q")).submit();
        wd.manage().timeouts().implicitlyWait(1000, TimeUnit.MILLISECONDS);
        WebElement we=wd.findElement(By.linkText("YouTube"));
        js.executeScript("arguments[0].scrollIntoView()" +we);
        assertNotNull(we);
        System.out.println("got the element"+we);

    }
}
```

